

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A fiber, wherein said fiber ~~is produced by electrospinning a mixture that~~ comprises at least one mesoporous molecular sieve, and wherein the mesoporous molecular sieve ~~is synthesized by combining~~ comprises an organosilane, a surfactant, at least one acid and at least one alcohol.
- 2-3. (Canceled).
4. (Previously Presented) The fiber of claim 1, wherein said organosilane is selected from the group consisting of tetramethylorthosilicate, phenyltrimethoxy silane, p-aminophenyltrinethoxy silane, phenyl-trimethylchorosilane and trimethylchlorosilane.
5. (Previously Presented) The fiber of claim 1, wherein said fiber has a diameter ranging from about 10 nanometers up to about 1,000 nanometers.
6. (Currently Amended) A network of fibers wherein, said network comprises fibers comprising at least one mesoporous molecular sieve wherein, said fibers are produced by electrospinning, and wherein the mesoporous molecular sieve ~~is synthesized by combining a silica source~~ comprises an organosilane, a surfactant, at least one acid and at least one alcohol.
- 7-8. (Canceled).
9. (Previously Presented) The fibers of claim 6, wherein said organosilane is selected from the group consisting of tetramethylorthosilicate, phenyltrimethoxy silane, p-aminophenyltrinethoxy silane, phenyl-trimethylchorosilane and trimethylchlorosilane.
- 10-30. (Canceled)
31. (Currently Amended) A method of making a network of fibers comprising:

electrospinning a fiberizable mixture to form a network of fibers, wherein said mixture comprises at least one mesoporous molecular sieve, wherein the mesoporous molecular sieve ~~is synthesized by combining a silica source~~ comprises an organosilane, a surfactant, at least one acid and at least one alcohol.

32-33. (Canceled)

34. (Previously Presented) The method of claim 31, wherein said organosilane is selected from the group consisting of tetramethylorthosilicate, phenyltrimethoxy silane, p-aminophenyltrimethoxy silane, phenyl-trimethylchlorosilane and trimethylchlorosilane.

35. (Currently Amended) The fiber of claim 1 wherein said at least one acid is ~~either~~ hydrochloric acid or acetic acid.

36. (Currently Amended) The fiber of claim 1 wherein said at least one alcohol is ~~either~~ ethanol or propanol.

37. (Canceled)